

Claims

- [c1] The present invention will provide a kit that allows for simple modification of a conventional bicycle for converting the bicycle into a self-propelled snow bicycle.
- [c2] Another object of the present invention is to provide a self-propelled snow bicycle without having to modify the conventional chain and rear wheel drive system.
- [c3] Another object of the present invention is to provide a self-propelled snow bicycle without changing and/or modifying the designed manufactured geometry of the bicycle.
- [c4] Another object of the present invention is to provide no change in regards to the distance the front axle (11) to respect to the ground. This distance would be the same regardless the front wheel (10) and/or the Bicycle Ski Shoe (1) were assembled onto the front axle (11).
- [c5] Another object of the present invention is to provide the ability for the user to change the front SKI with shorter, longer and/or wider (fatter) skis through use of the standard ski binding.

- [c6] Another object of the present invention is to provide natural pivoting of the Bicycle Ski Shoe during movement over rough and/or hilly snow covered terrain.
- [c7] Another object of the present invention is to provide a natural upward pivot of the Bicycle Ski Shoe through the used of the GLA (102, 103). This allows the front (nose) of the ski to point up at greater then 15 degrees if the front of the bicycle was to leave contact with the snow/ice covered terrain. Example would be jumping the converted bicycle off a man made snow jump that both skiers and snowboards alike use on mountain trails.